

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP 02/13036

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02B5/30 C08J7/06 //C08L29:04

Rec'd PCT/PTO

09 JUN 2005

10/538079

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02B C08J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 297 927 A (UNITIKA LTD) 4 January 1989 (1989-01-04) claims 4,15,20 column 6, line 3 - line 50 column 7, line 48 - line 54 examples 1,3,5,7	1-3,5
A	US 5 670 092 A (STARZEWSKI KARL-HEINZ ALEKSAND) 23 September 1997 (1997-09-23) claim 1	1
A	EP 0 926 515 A (KURARAY CO) 30 June 1999 (1999-06-30) example 1	1



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

30 July 2003

Date of mailing of the international search report

06/08/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Hallemeesch, A

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP 02/13036

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0297927	A	04-01-1989	DE 3889256 D1	01-06-1994
			DE 3889256 T2	11-08-1994
			EP 0297927 A2	04-01-1989
			JP 1105204 A	21-04-1989
			JP 2543748 B2	16-10-1996
			US 5071906 A	10-12-1991
US 5670092	A	23-09-1997	DE 4434964 A1	04-04-1996
			DE 59508921 D1	01-02-2001
			EP 0704723 A1	03-04-1996
			JP 8114712 A	07-05-1996
EP 0926515	A	30-06-1999	EP 0926515 A1	30-06-1999
			US 6337369 B1	08-01-2002
			CN 1220735 A	23-06-1999
			CN 1220735 T	23-06-1999
			JP 10319236 A	04-12-1998
			WO 9841887 A1	24-09-1998
			KR 2000010959 A	25-02-2000